



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Inter Patent Application of

YAMAGUCHI et al

Atty. Ref.: 461-147

Serial No. UNKNOWN

Group:

Filed: September 25, 2003

Examiner:

For: APPARATUS FOR EXTRUDING CEREMIC MOLDING

\* \* \* \* \*

September 25, 2003

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

INFORMATION DISCLOSURE STATEMENT

As suggested by 37 C.F.R. 1.97, the undersigned attorney brings to the attention of the Patent and Trademark Office the references listed on the attached form PTO-1449, a copy of each of which is enclosed. This is not to be construed as a representation that a search has been made or that no better prior art exists, or that a reference is relevant merely because cited.

The Examiner is requested to initial the attached form PTO-1449 and to return a copy of the initialed document to the undersigned as an indication that the attached references have been considered and made of record.

Respectfully submitted,

NIXON & VANDERHYE P.C.

By:

Larry S. Nixon  
Reg. No. 25,640

LSN:pd  
1100 North Glebe Road, 8th Floor  
Arlington, VA 22201-4714  
Telephone: (703) 816-4000  
Facsimile: (703) 816-4100



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New Patent Application C#/M#: 461-147  
Serial No.: UNKNOWN Date: September 25, 2003  
Inventor/s: YAMAGUCHI et al Atty: LSN  
Title: APPARATUS FOR EXTRUDING CEREMIC  
MOLDING

Preliminary Amendment  
27 Pages Specification, claims & Abstract  
16 Claims  
8 Sheets of Drawings  
X Declaration (3 Pages)  
X Assignment (2 Pages) Including Cover  
1 Priority Document(s)

\$790.00 Fee (Check) - Pre-Bill

\$ Fee (Check) - Non Pre-Bill

\$790.00 Total Fee Enclosed

Other:IDS PTO 1449 W/References





Information List (Form 1)

|               |            |
|---------------|------------|
| US Serial No. |            |
| Our Ref.      | ND-M212-US |

The following is a List of References provided by Applicant. Please file an Information Disclosure Statement using this Information.

| Document Number | Publication Date  | Brief Explanation or Page(s) & Line(s) of Related Part(s)   |
|-----------------|-------------------|---|
| JPP2000-238022  | September 5, 2000 | Refer to the description of the related art in the specification.   |
| JPP60-210420    | October 22, 1985  | In an extruding device, in an area which extends from a downstream end of a hopper ground section (A) having some axial grooves (12) near a supply port (11) toward a downstream side and the length of which is 2 to 5 times as long as the inner diameter of the cylinder (10) at the downstream side, an inner diameter of a cylinder (10) and an outer diameter of a screw (14) increase as the cylinder (10) and the screw (14) approach at the downstream side, the inner diameter (D1) of the cylinder (10) at the downstream area is 1.1 to 1.5 times as long as the inner diameter (D0) of the cylinder (10) at the upstream area. |
| JPP2-14107      | January 18, 1990  | According to a method for extruding a honeycomb molding by an extruding apparatus which comprises a screw, the cross-section of which is smaller than that of the honeycomb   |

A. AOKI, ISHIDA & ASSOCIATES

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|-----------------|------------------|---|
| JPP5-177692     | July 20, 1993    | molding, an expanding pipe, the cross-section area of which increases gradually according to a screw diameter (A) and a cross-section size of the honeycomb molding (B), is provided on a front side of a honeycomb molding die, the relationship between the length of the expanding pipe (L) and the maximum length of the expanding pipe (C) is as follows.<br>$1.02B \leq C \leq 1.2B$<br>$120C/A \leq L$<br><br>English Abstract |

A. AOKI, ISHIDA & ASSOCIATES